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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Emanuel Hanski, et al.
U.S. Serial No. : 10/525,178
Filed : as \$371 national stage of
PCT/IL2003/000687, filed August 19,
2003
For : COMPOSITIONS AND METHODS FOR THE
TREATMENT AND PROPHYLAXIS OF INFECTIONS
CAUSED BY GRAM POSITIVE BACTERIA

1185 Avenue of the Americas
New York, New York 10036
March 27, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In order to ensure compliance with applicants' duty of disclosure under 37 C.F.R. \$1.56 and \$1.97(a)-(d), applicants request that the following documents be considered and made of record in the above-identified application which is listed on Form PTO-1449, attached hereto as **Exhibit A**:

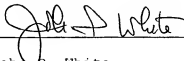
1. International Search Report issued by the International Searching Authority (ISA/EP) on January 28, 2004 in connection with International Application No. PCT/IL03/00687 (**Exhibit 1**);
2. Database EMBL online, March 28, 2002, SMOOT J.C. ET AL: "Streptococcus pyogenes strain MGAS8232, section 39 of 173 of the complete genome," database accession no. AE09991 (**Exhibit 2**);
3. Database SWALL online, October 1, 2002, SMOOT J.C. ET AL: "Hypothetical protein, spyM18_0540," database accession no. Q8P260 (**Exhibit 3**)

4. Database EMBL online, March 28, 2002, HIDALGO-GRASS ET AL: "Streptococcus pyogenes IS1562 transposase (tnp) gene, partial cds; and SilA (silA), SilB (silB), SilC (silC), Sild (sild), Sile (sile), and BlpM-like protein (blpM-H) genes, complete cds" database accession no. AF493605, XP002267117 (**Exhibit 4**); and
5. Smoot JC, Barbian KD, Van Compel JJ, Smoot LM, Chaussee MS, Sylva GL, Sturdevant DE, Ricklefs SM, Porcella SF, Parkins LD, Beres SB, Campbell DS, Smith TM, Zhang Q, Kapur V, Daly JA, Veasy LG, and Musser JM. (2002) Genome sequence and comparative microarray analysis of serotype M18 group *Streptococcus* strains associated with acute rheumatic fever outbreaks. *Proc. Natl. Acad. Sci. USA* 99(7): 4668-4673 (**Exhibit 5**).

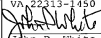
Copies of documents numbers 1-5 are attached hereto as **Exhibits 1-5**, respectively.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of

1

Complete if Known

| | |
|------------------------|----------------------------|
| Application Number | 10/525,178 |
| Filing Date | \$371 of PCT/IL2003/000687 |
| First Named Inventor | Emanuel Hanski |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 73975/JPW/JW |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| /MN/ | 1 | International Search Report issued by the International Searching Authority (ISA/EP) on January 28, 2004 in connection with International Application No. PCT/IL03/00687 | |
| /MN/ | 2 | Database EMBL online, March 28, 2002, SMOOT J.C. ET AL: "Streptococcus pyogenes strain MCAS8232, section 39 of 173 of the complete genome," database accession no. AE099991 | |
| /MN/ | 3 | Database SWALL online, October 1, 2002, SMOOT J.C. ET AL: "Hypothetical protein spyM18 0540," database accession no. Q8P260 | |
| /MN/ | 4 | Database EMBL online, March 28, 2002, HIDALGO-GRASS ET AL: "Streptococcus pyogenes IS1562 transposase (tnp) gene, partial cds; and SilA (silA), SilB (silB), SilC (silC), SilD (silD), SilE (silE), and BlpM-like protein (blpM-B) genes, complete cds," database accession no. AF493605, XP002267117 | |
| /MN/ | 5 | Smoot JC, Barbien KD, Van Gompel JJ, Smoot LM, Chaussee MS, Sylva GL, Sturdevant DE, Ricklefs SM, Porcella SF, Parkins LD, Beres SB, Campbell DS, Smith TH, Zhang Q, Kapur V, Daly JA, Veasy LG, and Musser JM. (2002) Genome sequence and comparative microarray analysis of serotype M18 group Streptococcus strains associated with acute rheumatic fever outbreaks. Proc. Natl. Acad. Sci. USA 99(7): 4668-4673 | |
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|--------------------|--------------------|-----------------|------------|
| Examiner Signature | /Albert M Navarro/ | Date Considered | 06/10/2008 |
|--------------------|--------------------|-----------------|------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Exhibit A